

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140042.D
 Acq On : 25 Oct 2024 17:25
 Operator : RC/JU
 Sample : P4485-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D20241001-01-04

Quant Time: Oct 25 17:53:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

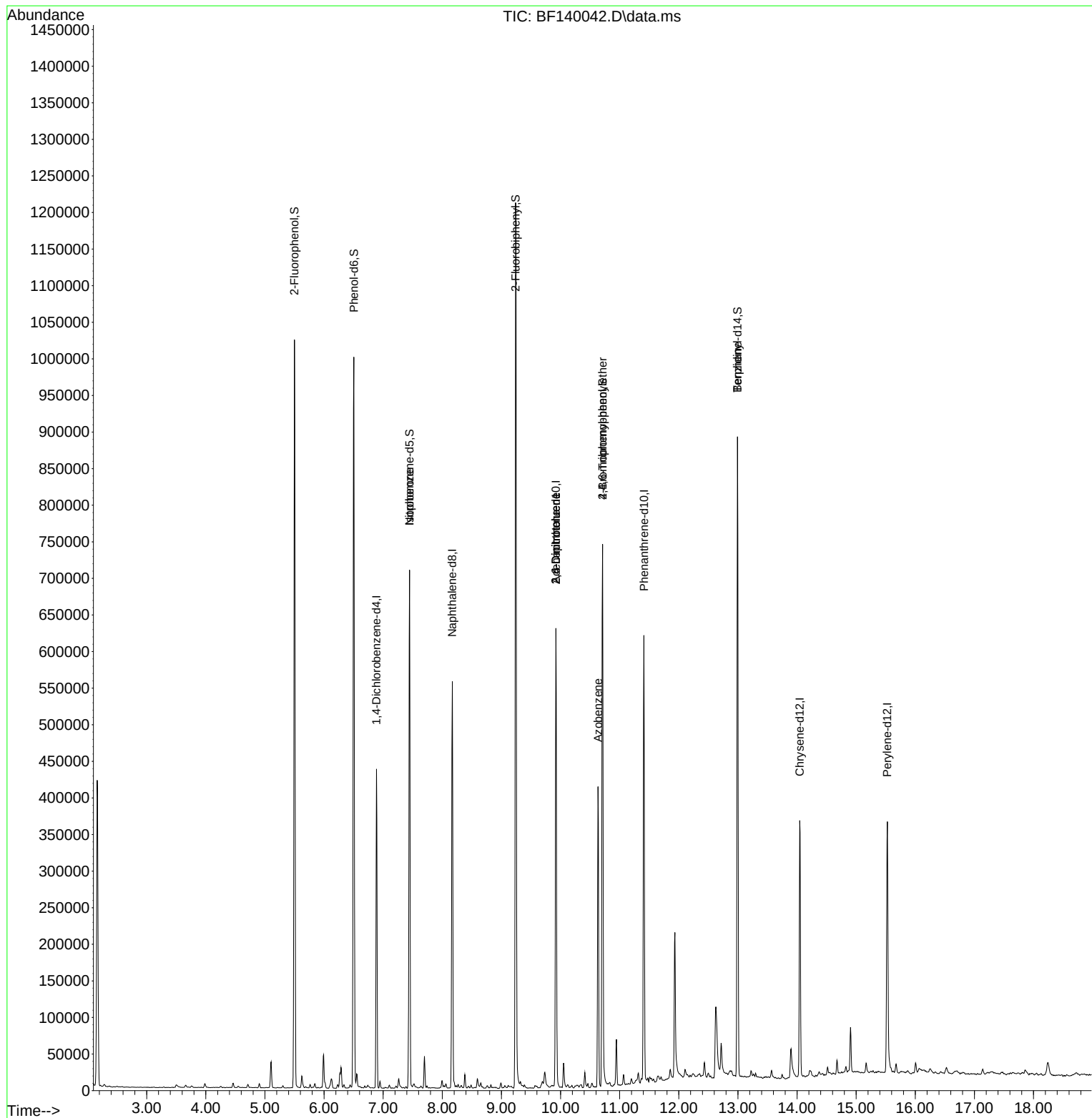
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	84666	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	327697	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185532	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	315779	20.000	ng	0.00
76) Chrysene-d12	14.045	240	170721	20.000	ng	0.00
86) Perylene-d12	15.527	264	206653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	358393	66.267	ng	0.00
7) Phenol-d6	6.504	99	452091	64.542	ng	0.00
23) Nitrobenzene-d5	7.446	82	302857	51.222	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	125036	72.050	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	561163	49.988	ng	-0.01
79) Terphenyl-d14	12.992	244	418970	39.989	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.446	82	300761	26.801	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	23203	9.273	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	23203	7.541	ng	# 21
63) Azobenzene	10.634	77	103032	8.565	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8126	2.498	ng	# 1
77) Benzydine	12.992	184	5617	2.001	ng	# 93

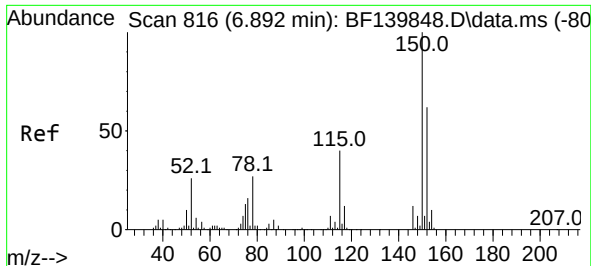
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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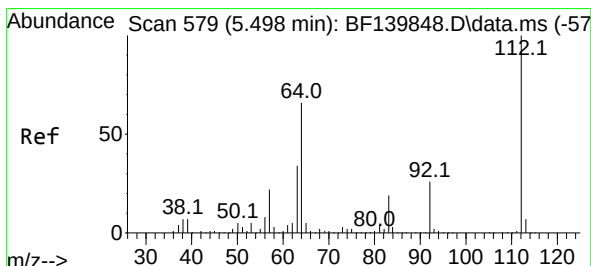
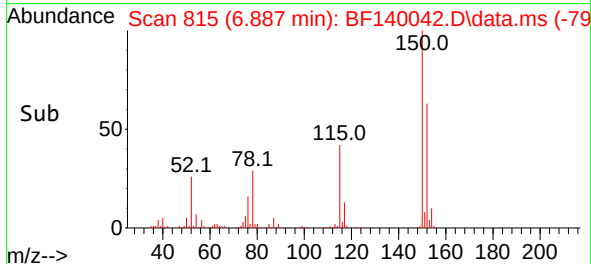
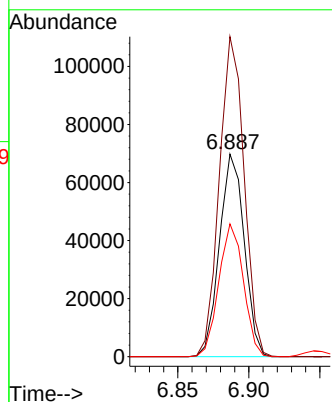
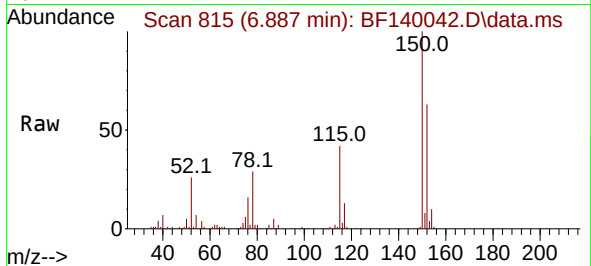




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

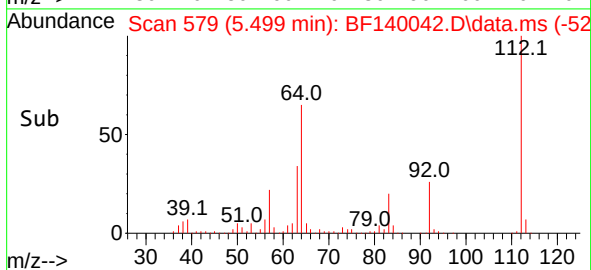
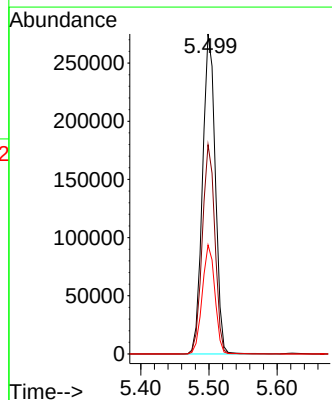
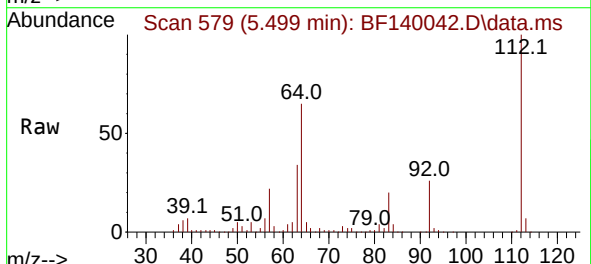
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

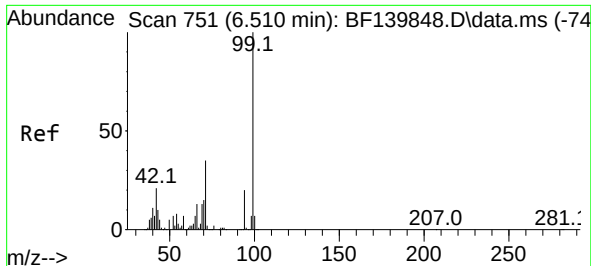
Tgt Ion:152 Resp: 84666
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 65.5 51.4 77.2



#5
2-Fluorophenol
Concen: 66.267 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

Tgt Ion:112 Resp: 358393
Ion Ratio Lower Upper
112 100
64 65.4 53.0 79.6
63 34.1 27.0 40.4

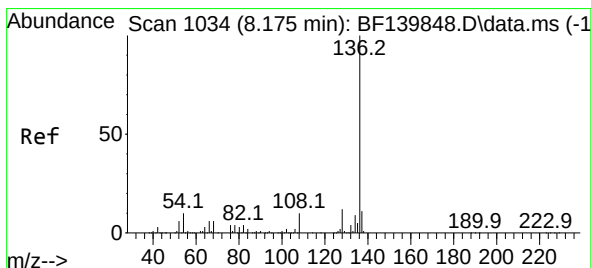
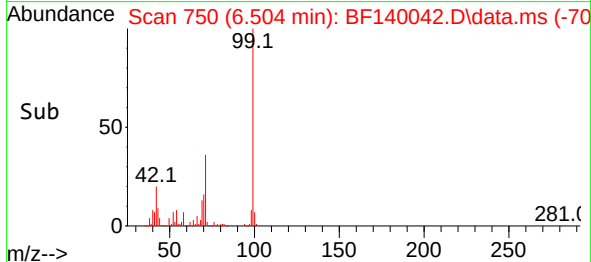
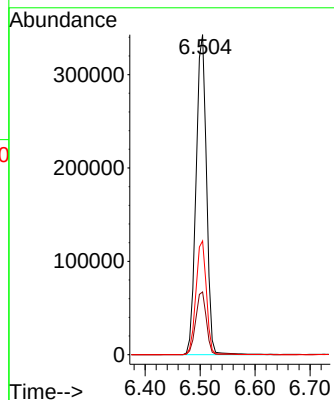
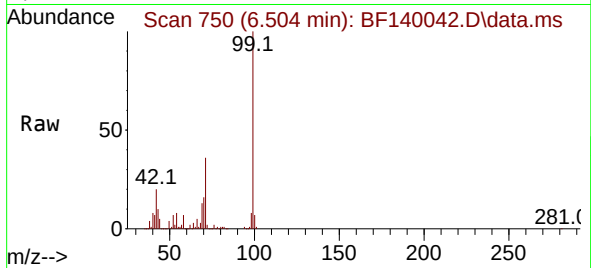




#7
Phenol-d6
Concen: 64.542 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

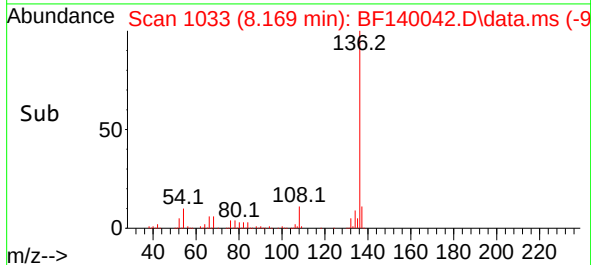
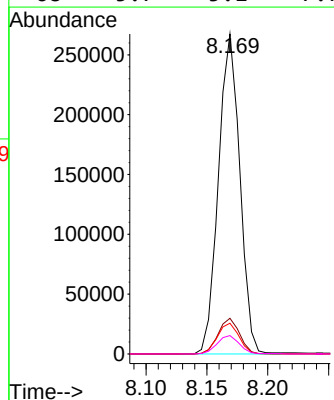
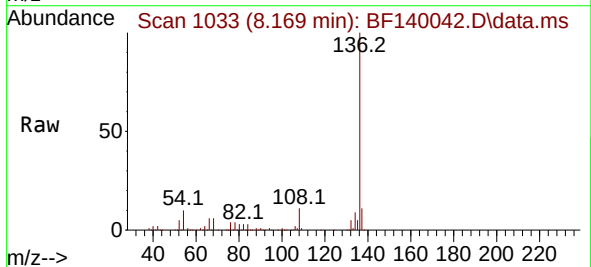
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

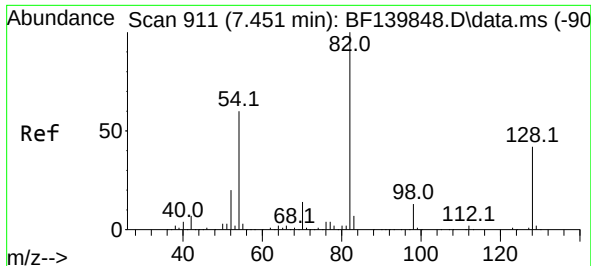
Tgt Ion: 99 Resp: 452091
Ion Ratio Lower Upper
99 100
42 19.6 16.7 25.1
71 35.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

Tgt Ion:136 Resp: 327697
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.6 8.4 12.6
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 51.222 ng

RT: 7.446 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

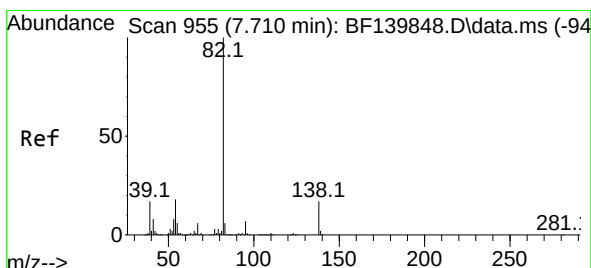
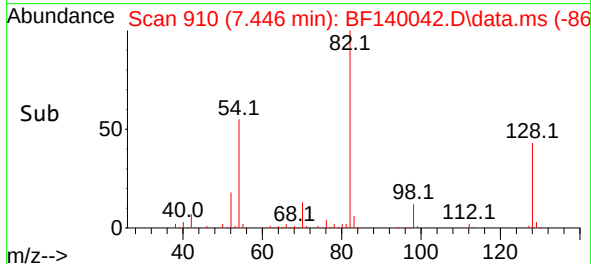
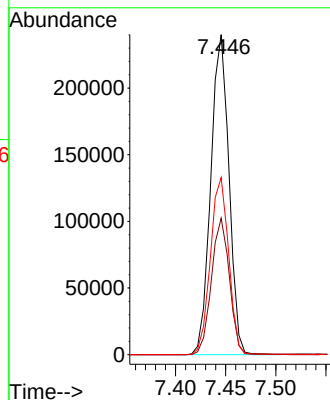
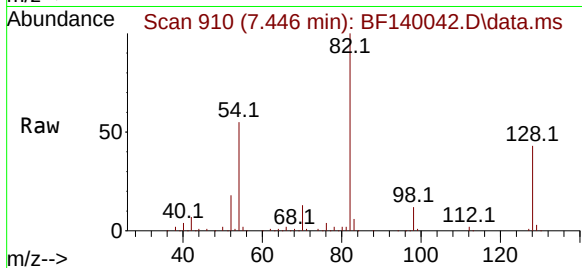
Tgt Ion: 82 Resp: 302857

Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

54 55.4 47.8 71.8



#25

Isophorone

Concen: 26.801 ng

RT: 7.446 min Scan# 910

Delta R.T. -0.264 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

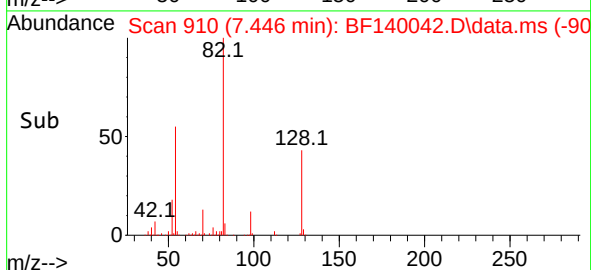
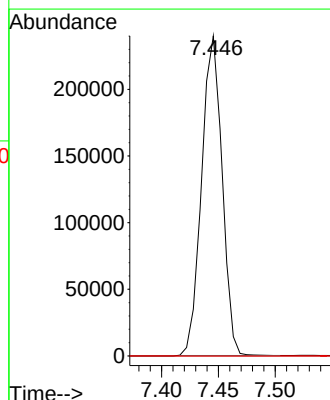
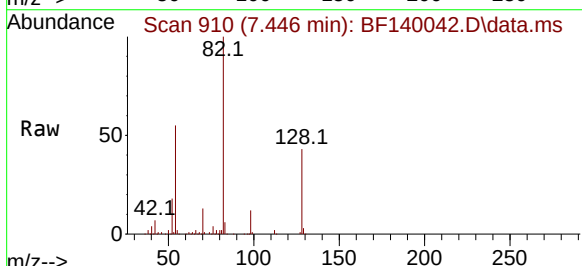
Tgt Ion: 82 Resp: 300761

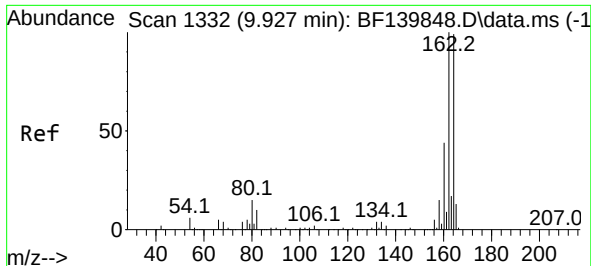
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

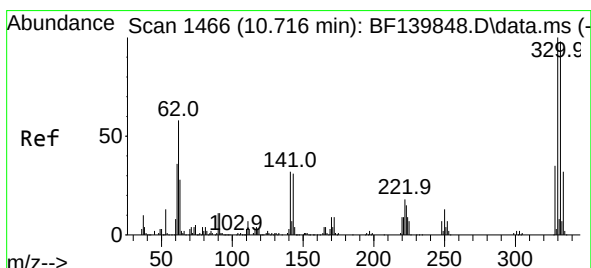
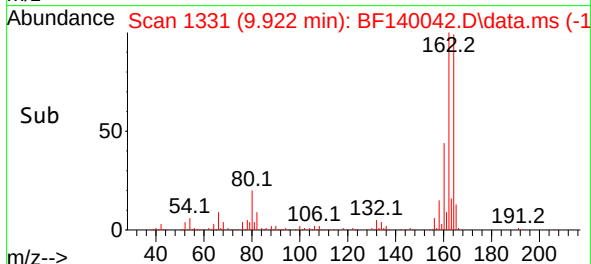
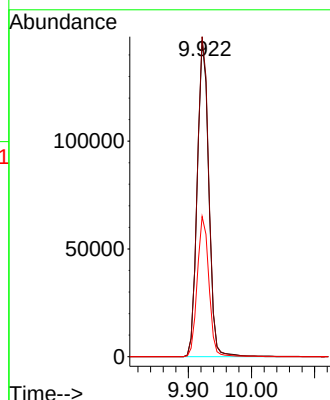
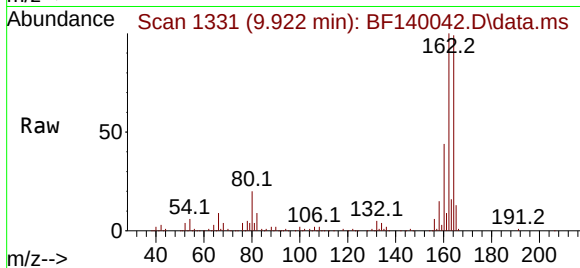
Tgt Ion:164 Resp: 185532

Ion Ratio Lower Upper

164 100

162 101.2 81.0 121.4

160 44.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 72.050 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

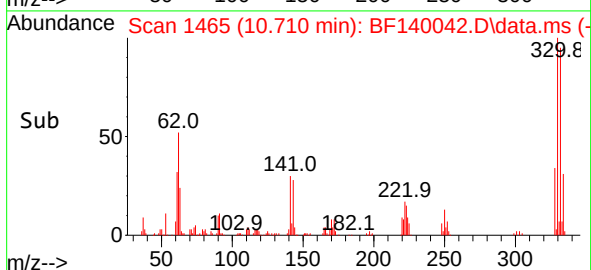
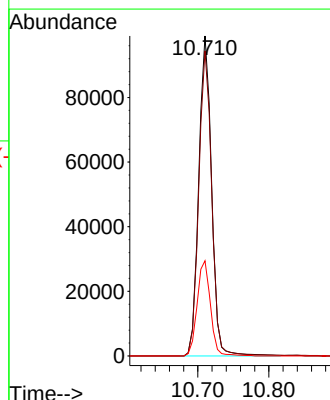
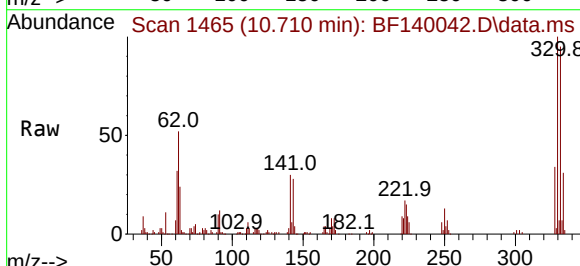
Tgt Ion:330 Resp: 125036

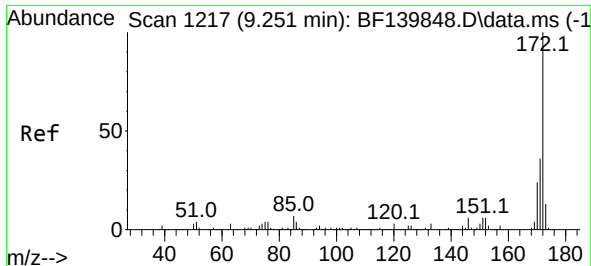
Ion Ratio Lower Upper

330 100

332 96.1 78.1 117.1

141 30.7 26.6 39.8

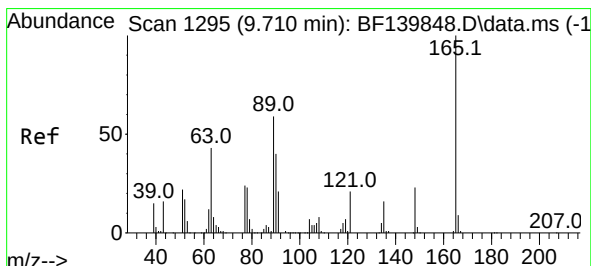
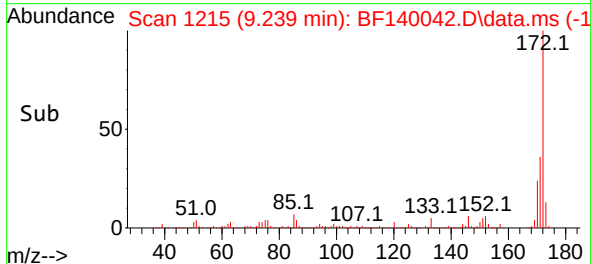
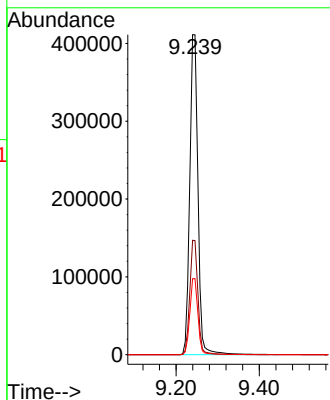
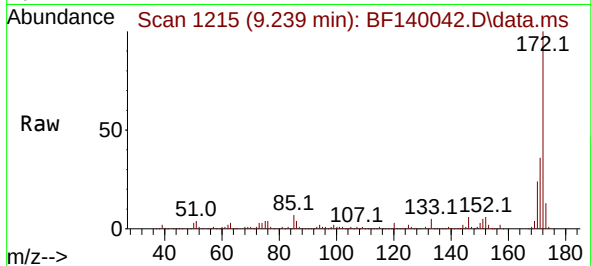




#45
 2-Fluorobiphenyl
 Concen: 49.988 ng
 RT: 9.239 min Scan# 1311
 Delta R.T. -0.011 min
 Lab File: BF140042.D
 Acq: 25 Oct 2024 17:25

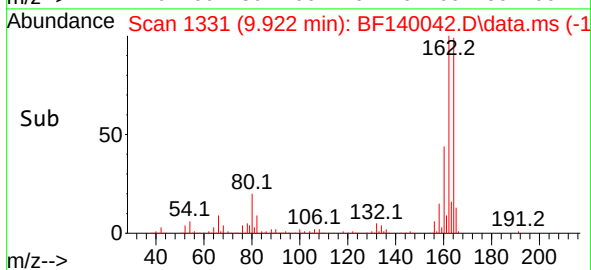
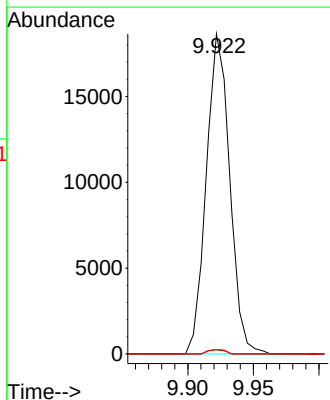
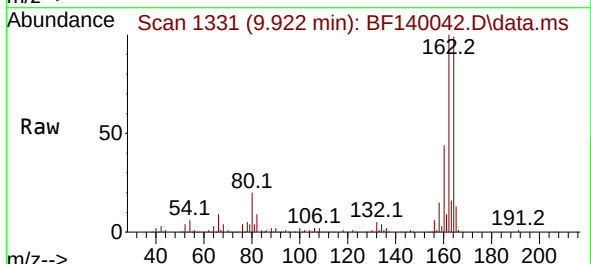
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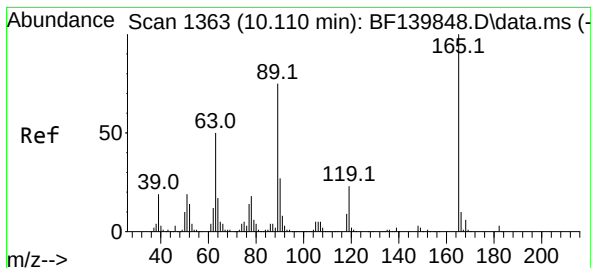
Tgt Ion:172 Resp: 561163
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.8 19.1 28.7



#51
 2,6-Dinitrotoluene
 Concen: 9.273 ng
 RT: 9.922 min Scan# 1331
 Delta R.T. 0.212 min
 Lab File: BF140042.D
 Acq: 25 Oct 2024 17:25

Tgt Ion:165 Resp: 23203
 Ion Ratio Lower Upper
 165 100
 63 1.3 50.6 75.8#
 89 1.4 47.5 71.3#

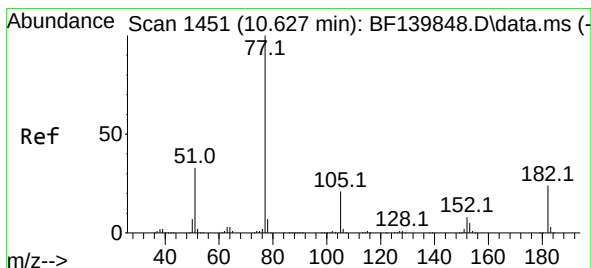
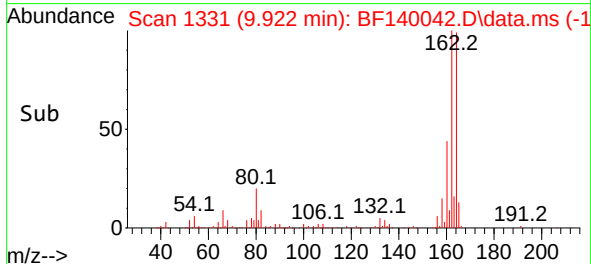
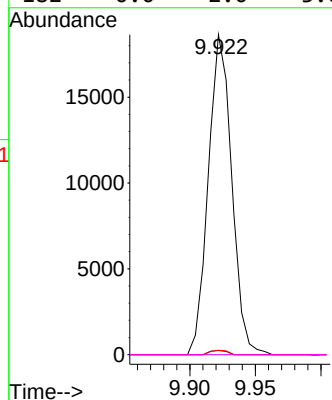
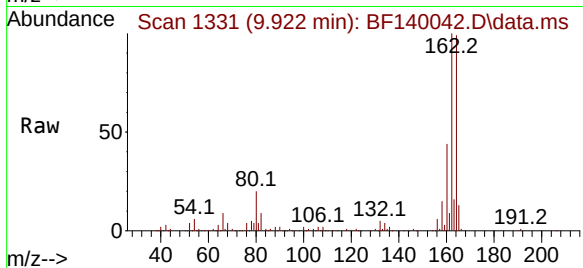




#57
2,4-Dinitrotoluene
Concen: 7.541 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

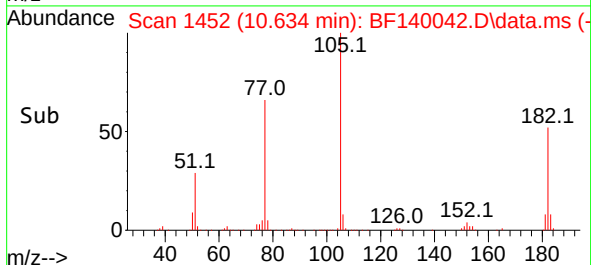
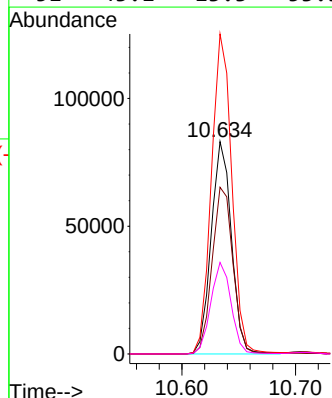
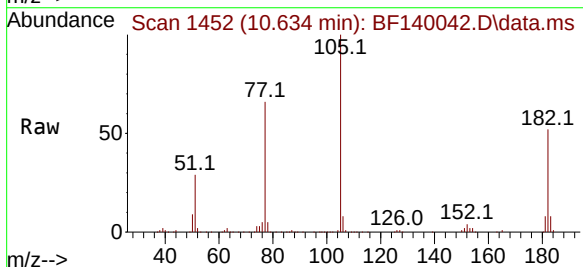
Instrument :
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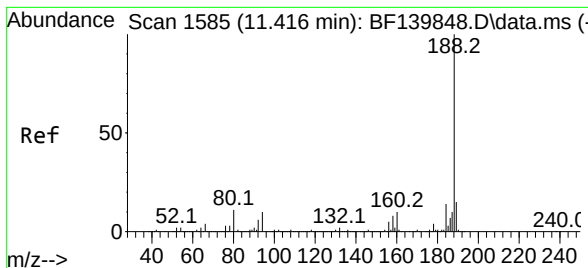
Tgt Ion:165 Resp: 23203
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 8.565 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF140042.D
Acq: 25 Oct 2024 17:25

Tgt Ion: 77 Resp: 103032
Ion Ratio Lower Upper
77 100
182 78.6 3.3 43.3#
105 150.8 1.2 41.2#
51 43.1 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

Instrument :

BNA_F

ClientSampleId :

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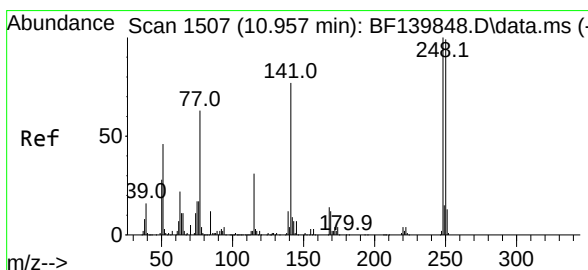
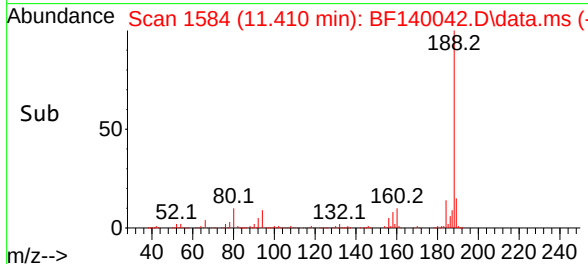
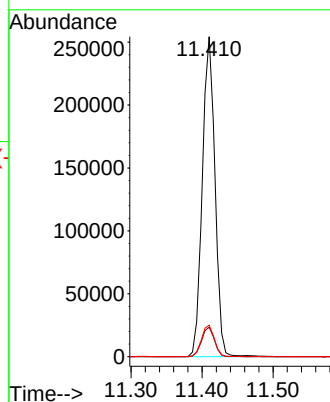
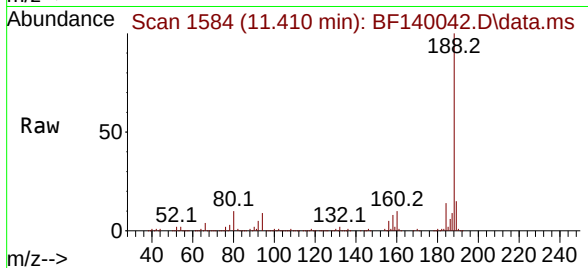
Tgt Ion:188 Resp: 315779

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

80 9.9 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 2.498 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

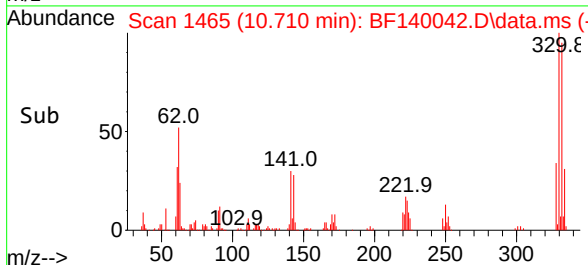
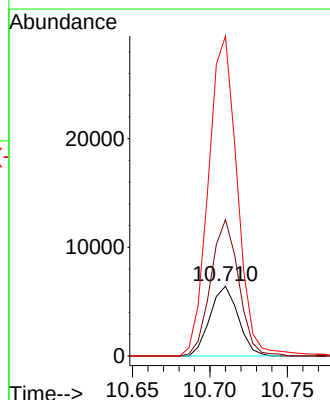
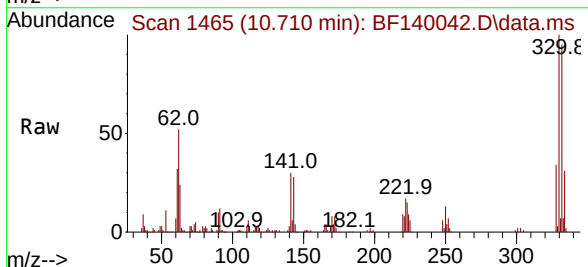
Tgt Ion:248 Resp: 8126

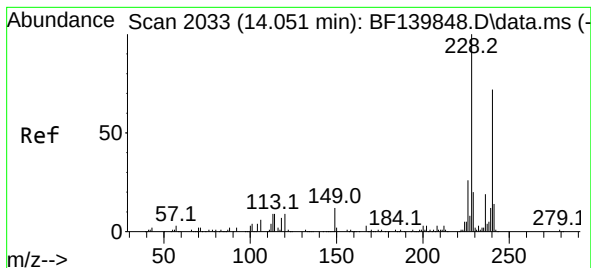
Ion Ratio Lower Upper

248 100

250 195.6 79.0 118.6#

141 459.2 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

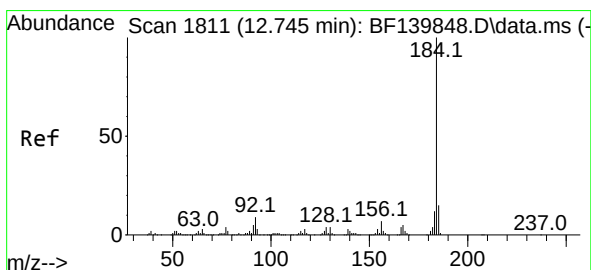
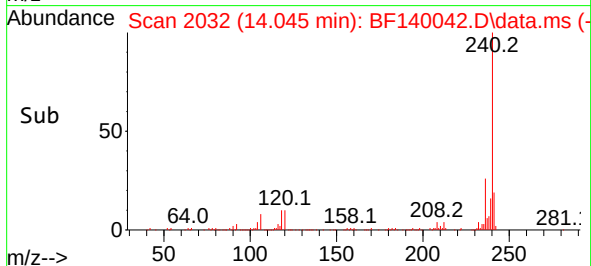
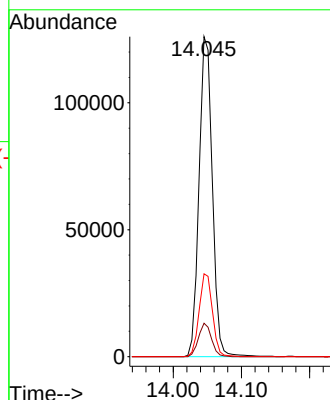
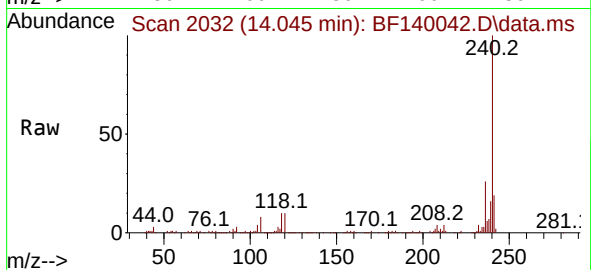
Tgt Ion:240 Resp: 170721

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.001 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140042.D

Acq: 25 Oct 2024 17:25

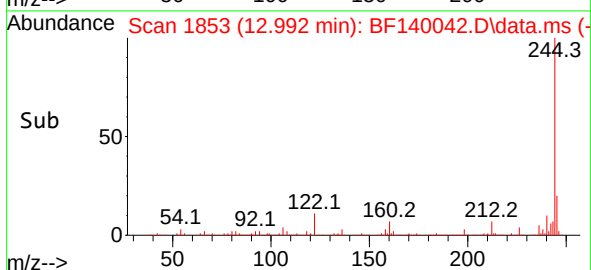
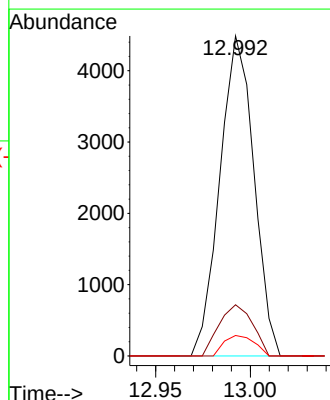
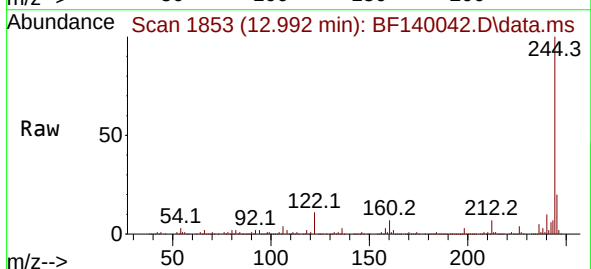
Tgt Ion:184 Resp: 5617

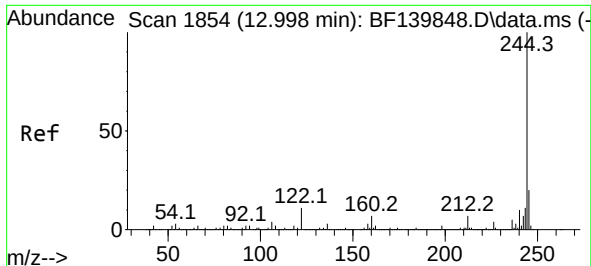
Ion Ratio Lower Upper

184 100

185 16.0 12.0 18.0

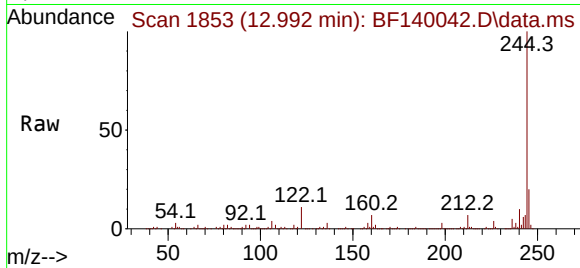
183 6.4 9.4 14.2#



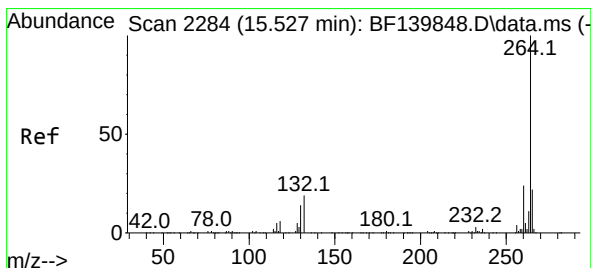
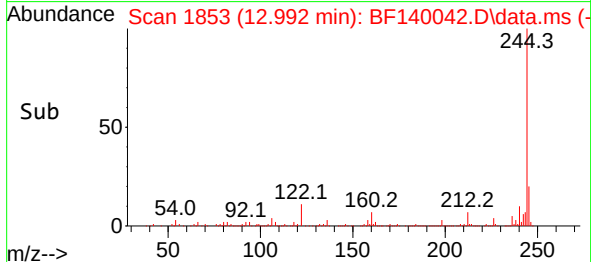
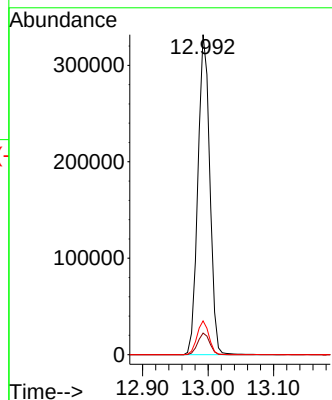


#79
 Terphenyl-d14
 Concen: 39.989 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140042.D
 Acq: 25 Oct 2024 17:25

Instrument :
 BNA_F
 ClientSampleId :
 D20241001-01-04



Tgt Ion:244 Resp: 418970
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.6 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF140042.D
 Acq: 25 Oct 2024 17:25

Tgt Ion:264 Resp: 206653
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.6 17.4 26.0

